BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of work:- Modified Detailed Estime for Providing Electrical poles and street lights in ward No-11 Kuvempunagara, vidyaranyapura sub division

Budget Head

Ward No: 11 **Estimate No..** **For Rs.15,00,000.00**

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (Ele) S.R.2014-15				
1 P.No 22 I.No4.16	Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil.	136	5950	Each	809200.00
2 P.No-108 I.No-17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete.	136	493	Each	67048.00
3 P.No-51 I.No-6.48.3	Supplying and fixing of timer Operating Illuminance Levels I. For Switching ON : < 60 lux for >30 sec II. For Switching OFF : >10 lux for >30 sec Switching Endurance : Minimum 5,000 cycles. • Max. Device Power Insulation Resistance : Minimum 5 Meg Ohms • Operating Temperature Range : -10o C to +55oC (Ambient) • Operating Humidity Range : Upto 95% RH at 40oC Auto Voltage trip levels, Auto High Voltage Sense and Trip : Above 280 VAC, Auto High Voltage Sense and Reset : Below 265 VAC. Auto low voltage sense and trip : Below 150 VAC, Auto low voltage sense and reset : Above 165 VAC, Consumption : 1 Watt at 230 VAC(Approved Rates) Contactor details: supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with	13	15730	Each	204490.00

5 78/32	Supply and fixing of ..... cross arm including all Hardwares compete as per the standard technical specification. b) 2 Pin 45x45x5mm-510mm	25	65.00	Each	1625.00
	a) 4 Pin 45x45x5mm-1110mm	35	152.00	Each	5320.00
6 79/37	Supplying and Fixing..... including all Hardwares etc complete as per the Standard technical Specification. A)· 1.1KV Pin	130	32.00	Each	4160.00
	d) No.8 Strain Insulator	50	15.00	Each	750.00
7 79/39	Supplying and stringing of ACSR Conductor (6/2.59mm Al+1/2.59mm steel)	3100	15.00	Mtr	46500.00
8 79/36	Supplying and fixing ..... including all Hardwares etc complete as per the standard technical specification e) RCC Clamp	60	35.00	Each	2100.00
	extra items				
4 78/29	Supply and erection of .....mtr RCC pole including earth work etc., complete as per the standard technical specification.	20	5500.10	Each	110002.00
TOTAL					**1251195.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates and 2014-15 SR Rates.

EXECUTIVE ENGINEER (ELECL)